

HYDRA



Royal Purple Liquid Dye

Gives Rich Purple Finish to Water Bodies



HYDRA®

Features & Advantages

- ◆ Blocks UV light, preventing photosynthesis of algae and weeds.
- ◆ Highly concentrated liquid. Instantly goes into solution, no un-dissolved residues.
- ◆ Gives a rich fluorescent purple finish to water. Lasts for months.
- ◆ Blocks the sun's rays (UV light) to effectively starve the growth of existing algae and weeds also prevents formation of new growth.
- ◆ Creates a stunning background for water plants.
- ◆ Enhances the reflective properties of ponds and water features.
- ◆ Completely free of pesticides and herbicides and other harmful chemicals.
- ◆ Hides aquatic life from predators.
- ◆ Food based dye, harmless to filters and plants.
- ◆ Safe with fish, any visiting wildlife or domestic animals.

The Problem



Pond weeds, like all plants, algae and many bacteria, use the energy from sunlight to convert carbon dioxide into organic compounds, most typically, sugars.

Without sunlight, photosynthesis could not occur and life as we know it could not flourish.

Because they can synthesize food directly from carbon dioxide using light energy, pond weeds are classified as photoautotrophs. Most appear purple in colour due to the light-collecting pigment known as chlorophyll-a.

Hydra Royal Purple Dye is useful in prohibiting pond weeds and algae.

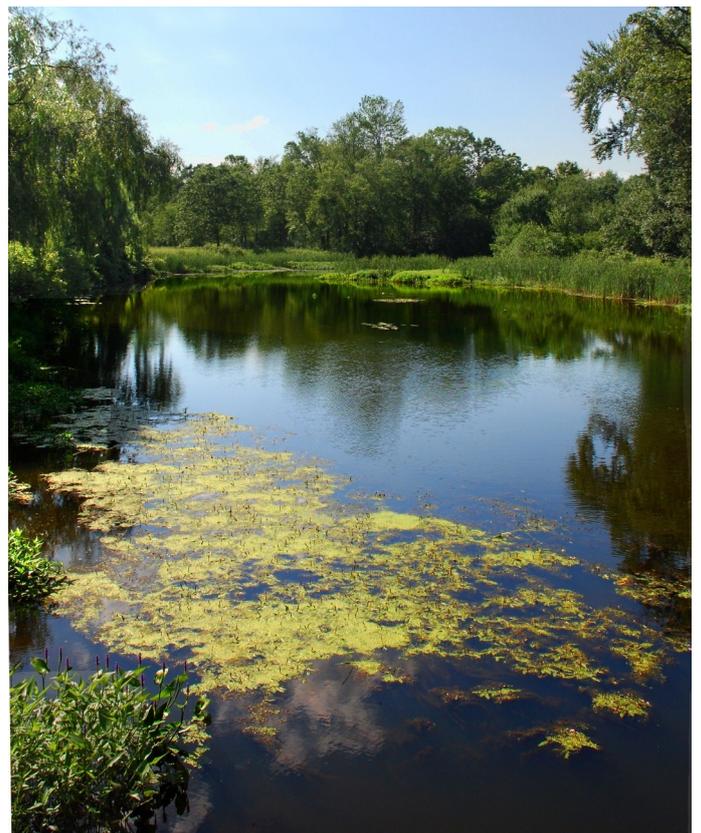
By using a non-toxic colorant in the water, you can partially filter sunlight, thereby thwarting the photosynthetic process for many aquatic weeds and algae.

Filtering out UV will slow algae and weed growth while transforming lake and pond water to a rich fluorescent purple finish.

By shading underwater portions of your body of water from sunlight, plant photosynthesis is prevented in bottom dwelling plants and weeds.

Thereby **Hydra Royal Purple Dye** effectively prevents an excess of aquatic plant and algae growth.

Hydra Royal Purple Dye will also hide unsightly growth, garbage, and debris frequently accumulates in bodies of water, it is a very effective in camouflaging the bottom of the lake or pond.



Description

Hydra Royal Purple Dye forms a natural purple effect in water bodies for algae and weed prevention and inhibitor in all lakes and ponds.

Its highly effective ultra violet light blocking preventing Growth of Weeds & Algae.



Lakes and water traps on golf courses or those near to fields which have been treated with fertilisers often turn purple and develop algae blooms.

This is because excess nutrients from the fertiliser have been washed into the pond and are providing food for the algae and weeds and the UV light from the sun does the rest.

Hydra Royal Purple Dye is not only aesthetically pleasing but also cuts out the UV light entering their body of water decreasing UV light levels which are necessary for algae and plant growth.

Hydra Royal Purple Dye blocks UV light, preventing photosynthesis of algae and weeds and in its highly concentrated liquid makes it easy to apply and instantly goes into solution, no un-dissolved residues.

Gives a natural purple finish to water - Lasts for months. and Blocks the sun's rays (UV light) to effectively starve the growth of existing algae and weeds also preventing formation of new growth.

Enhances the reflective properties of ponds and water features.

Making them look vibrant whilst creating a stunning background for water plants.

Hydra Royal Purple Dye is completely free of pesticides and herbicides and other harmful chemicals and is safe with fish, any visiting wildlife or domestic animals and even hides aquatic life from predators.

This food based dye is harmless to filters and plants and is used by Golf Clubs, Fishing Clubs, Fish Breeders and Local Authorities as well as for domestic use.



How To Use

Dilution Rates

- ◆ 5ml treats up to 125 litres (27 gallons)
- ◆ 25ml treats up to 625 litres (137 gallons)
- ◆ 250ml treats up to 6,250 litres (1,374 gallons)
- ◆ 500ml treats up to 12,500 litres (2,747 gallons)
- ◆ 1litre treats up to 25,000 litres (5,495 gallons)
- ◆ 5 litres treats up to 125,000 litres (27,470 gallons)

Laboratory Facilities

Hydra International Ltd's Research & Development Laboratories are a hub of activity where new products are developed and formulated. We have working relationships with our raw material suppliers, many of these suppliers are major world-wide chemical manufacturers with their own development laboratories.

As a company we are well known in the chemical industry for being receptive to cutting edge new chemicals which can be incorporated into our products to achieve performance advantages. An important part of the International Standards that we hold is that of constant improvement. We show that we have achieved this at every independent audit.



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